

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A contrast media delivery system configured to facilitate the intravenous delivery of contrast media from a contrast media source to a patient, the contrast media delivery system comprising:

a spike for accessing contrast media from the contrast media source;

a length of tubing linked to the spike;

a primer bulb in fluid coupling to the length of tubing, the primer bulb adapted to transmit air from a position downstream from the spike, through the spike and into the contrast media source and thereby create a head of pressure in at least a portion of the length of tubing the contrast media source to facilitate flow of contrast media through the spike and into the length of tubing.

2. (currently amended) The contrast media delivery system of claim 1, wherein the primer bulb is positioned in an in-line configuration of with the length of tubing.

3. (original) The contrast media delivery system of claim 1, wherein the primer bulb is positioned in an other than in-line configuration with the length of tubing.

4. (original) The contrast media delivery system of claim 1, wherein the primer bulb is compressible.

5. (currently amended) The contrast media delivery system of claim 4, wherein compressing the primer bulb overcomes the surface tension of the contrast media in the contrast media delivery-reservoir source.

6. (currently amended) The contrast media delivery system of claim 5, wherein a single compression of the primer bulb overcomes the surface tension of the contrast media in the contrast delivery-reservoir source.

7. (currently amended) The contrast media delivery system of claim 6, wherein more than one compression of the primer bulb overcomes the surface tension of the contrast media in the contrast media delivery-reservoir source.

8. (original) The contrast media delivery system of claim 4, wherein compression of the primer bulb draws contrast media into the length of tubing.

9. (original) The contrast media delivery system of claim 4, wherein the length of tubing and the primer bulb are isolated from the external environment before compression of the primer bulb.

10. (currently amended) The contrast media delivery system of claim 4, wherein ~~compression of the primer bulb creates a head of pressure in the contrast media~~ source comprises a contrast media reservoir.

11. (currently amended) A contrast media delivery system configured to facilitate the intravenous delivery of contrast media from a contrast media reservoir to a patient, the contrast media delivery system comprising:

a contrast media reservoir;

a spike apparatus for accessing contrast media in the contrast media reservoir;

a length of tubing linked to the spike apparatus;

a primer bulb ~~in fluid coupled to~~ communication with the length of tubing, the primer bulb adapted to transmit air from a position downstream from the spike, through the spike and into the contrast media source and thereby create a head of pressure increase the pressurization in the contrast media reservoir, such that the pressurization in the reservoir subsequent to actuation of the primer bulb is greater than the pressurization in the reservoir before actuation of the primer bulb, to facilitate flow of contrast media into the length of tubing;

a user controlled valve mechanism that is adapted to close and provide ~~providing~~ a fluid tight seal to isolate the contrast media reservoir, spike apparatus, length of tubing, and primer bulb from the inflow of air from the external environment distal to the valve mechanism.

12. (currently amended) The contrast media delivery system of claim 11, wherein the valve mechanism spike apparatus comprises a vented spike having a vent accessible by a venting door, and wherein the venting door is adapted to close to provide a fluid tight seal to isolate the contrast media reservoir, spike apparatus, length

of tubing, and primer bulb from the inflow of air from the external environment through the vent.

13. (currently amended) The contrast media delivery system of claim 12, wherein the venting door is opened to vent the contrast media reservoir and allow the flow of contrast media when the head of pressure in the contrast media reservoir has dissipated and equalized to the pressure of the external environment as a result of pushing contrast media through the spike apparatus into the tubing.

14. (currently amended) The contrast media delivery system of claim 11, wherein the ~~valve mechanism~~ venting door comprises a one-way valve.

15. (currently amended) The contrast media delivery system of claim 11, wherein the ~~valve mechanism~~ venting door ~~is linked to the spike~~ comprises a stop cock.

16. (currently amended) The contrast media delivery system of claim 11, wherein the ~~valve mechanism~~ venting door is integrally coupled to the spike apparatus.

17. (currently amended) The contrast media delivery system of claim 11, wherein the valve mechanism facilitates the flow of contrast media from the contrast media reservoir to a body system distal to the valve mechanism.

18. (currently amended) The contrast media delivery system of claim 11, wherein the valve mechanism ~~facilitates the flow of air into the contrast media reservoir to allow the flow of contrast media from the contrast media reservoir~~ has an first position in which the primer bulb and contrast media reservoir are isolated from air pressurization from the external environment and a second position that is an inline position allowing the flow of contrast media from portions of the contrast media delivery system distal to the valve mechanism.

19. (currently amended) The contrast media delivery system of claim 11, ~~further comprising a stop-cock~~ wherein the valve mechanism further comprises a third position that is a bleed off position in which contrast media is allowed to flow from portions of the contrast media delivery system distal to the valve mechanism to the external environment.

20. (currently amended) The contrast media delivery system of claim 19, wherein the ~~stop-cock~~ valve mechanism comprises a three-way stop cock.

21. (currently amended) The contrast media delivery system of claim 19 , wherein the ~~stop-cock~~ valve mechanism is positioned below the primer bulb.

22. (currently amended) A contrast media delivery system configured to facilitate the intravenous delivery of contrast media from a contrast media reservoir to a patient, the contrast media delivery system comprising:

a contrast media reservoir;

a spike for accessing contrast media in the reservoir;

a length of tubing linked to the spike;

a primer bulb connected in-line with the length of tubing, wherein the primer bulb is compressible to transmit air from a position downstream from the spike, through the spike and into the contrast media source and thereby create a head of pressure above the contrast media in the contrast media reservoir to facilitate the flow of contrast media into the length of tubing;

a valve mechanism providing a fluid tight seal to isolate the reservoir, length of tubing, and primer bulb from the inflow of air from the external environment.

23. (currently amended) The contrast media delivery system of claim 22, wherein the spike comprises a vented spike apparatus.

24. (original) The contrast media delivery system of claim 23, wherein the vented spike apparatus allows air to enter the contrast media reservoir.

25. (currently amended) The contrast media delivery system of claim 24, wherein the vented spike apparatus facilitates the flow of contrast media into proximal

portions of the contrast media delivery system.

26. (currently amended) A contrast media delivery system configured to facilitate the intravenous delivery of contrast media from a contrast media reservoir to a patient, the contrast media delivery system comprising[[:]]:

a compressible primer bulb in fluid connection with the contrast media reservoir, wherein the primer bulb is configured to compress and thereby increase the pressurization in the contrast media reservoir, such that the pressurization in the reservoir subsequent to actuation of the primer bulb is greater than the pressurization in the reservoir before actuation of the primer bulb, and to [[be]] completely fill[[ed]] with contrast media once the contrast media has reached the patient, to facilitate the flow of contrast media;

and a fluid delivery mechanism for delivering contrast media from the contrast media reservoir to the patient, wherein the primer bulb is positioned in-line with the fluid delivery mechanism.

27. (original) A contrast media delivery system of claim 26, wherein the primer bulb includes an outer wall.

28. (original) A contrast media delivery system of claim 27, wherein the outer wall defines an inner cavity.

29. (original) A contrast media delivery system of claim 27, wherein the outer wall is comprised of a pliable material.

30. (original) A contrast media delivery system of claim 29, wherein the outer wall is comprised of polyurethane.

31. (original) A contrast media delivery system of claim 30, wherein the outer wall is comprised of rubber.

32. (original) A contrast media delivery system of claim 28, wherein primer bulb comprises a rigid housing with a compressible mechanism configured to change the volume of primer bulb cavity.

33. (withdrawn)